

M10 MONO MODULE **N** TYPE

480W-500W

Premium Quality *Bifacial Dual Glass*

120 CELL

M10 MONO N-TYPE

23.13%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost



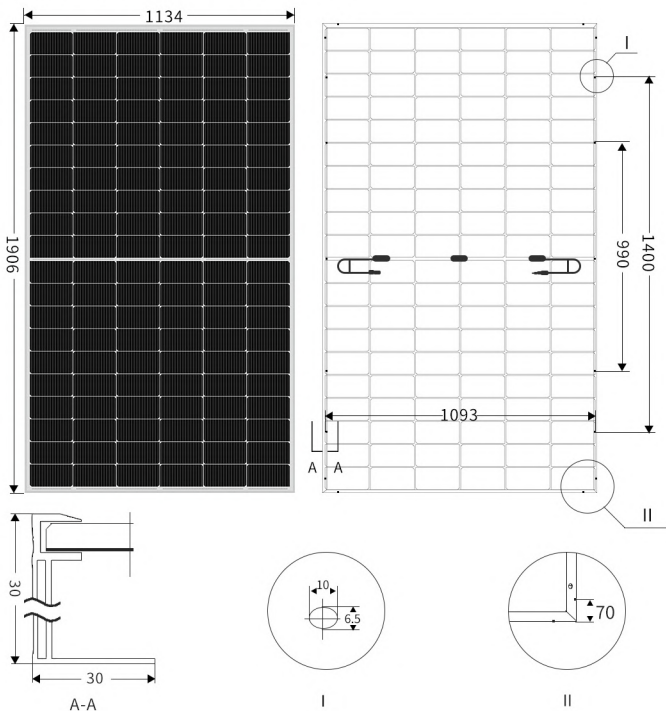
Module Type		PW-60M480HM10-BD		PW-60M485HM10-BD		PW-60M490HM10-BD		PW-60M495HM10-BD		PW-60M500HM10-BD	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	480	361	485	364	490	368	495	372	500	376
Maximum Power Voltage	$V_{MPP}(V)$	36.06	33.77	36.25	33.95	36.43	34.12	36.62	34.29	36.81	34.47
Maximum Power Current	$I_{MPP}(A)$	13.33	10.70	13.40	10.76	13.47	10.81	13.54	10.87	13.60	10.92
Open Circuit Voltage	$V_{OC}(V)$	43.20	40.46	43.43	40.67	43.64	40.87	43.87	41.08	44.10	41.30
Short Circuit Current	$I_{SC}(A)$	14.13	11.34	14.21	11.40	14.28	11.46	14.35	11.52	14.42	11.57
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	22.21		22.44		22.67		22.90		23.13	

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

BIFACIAL OUTPUT-REAR SIDE POWER GAIN 10% FOR REFERENCE

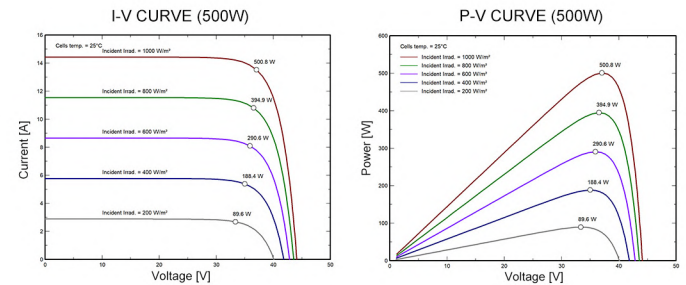
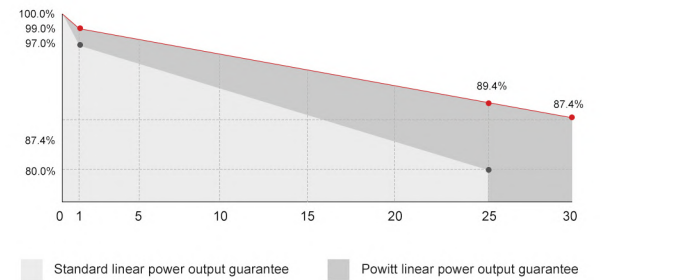
Module Type	PW-60M480HM10-BD	PW-60M485HM10-BD	PW-60M490HM10-BD	PW-60M495HM10-BD	PW-60M500HM10-BD
Pmax (W)	528	533.5	539	544.5	550
Voc (V)	43.2	43.43	43.64	43.87	44.1
Isc (A)	15.47	15.55	15.63	15.71	15.78
Vmp (V)	36.06	36.25	36.43	36.62	36.81
Imp (A)	14.64	14.72	14.80	14.87	14.94

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty 30 Year Linear Power Warranty



MECHANICAL DATA

Cell Type	Mono N-TYPE
No. of Cells	120 (6 x 20)
Module Dimensions	1906 x 1134 x 30mm
Weight	25kg
Front Glass	2.0mm
Back Glass	2.0mm
Frame	Anodized Aluminium Alloy
Junction Box	IP 68 Rated
Cables	4.0mm ² , 350mm or Customized Length
Connector	MC4 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of P_{MAX}	-0.35%/°C
Temperature Coefficient of V_{OC}	-0.28%/°C
Temperature Coefficient of I_{SC}	+0.048%/°C

MAXIMUM RATINGS

Operational Temperature	-40 to +85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A
Mechanical Load	5400pa
Wind Load	2400pa

PACKAGING CONFIGURATION 37 pcs/Pallet, 888 pcs/40'HQ

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